

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P365708

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365708
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3084.0 lumens
Efficiency: N/A
Efficacy: 53.1 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

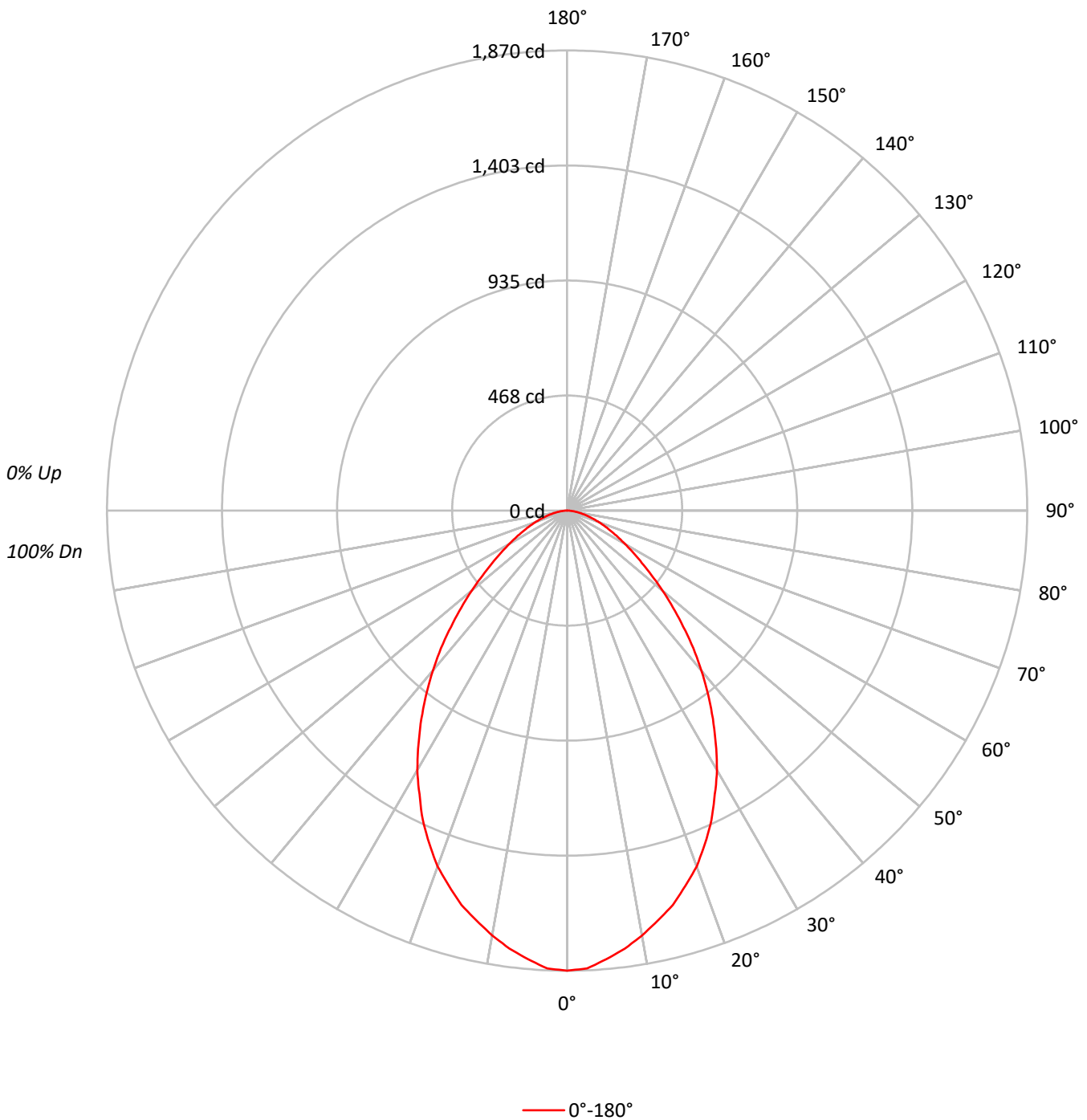
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72	79	75	71	77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64	72	67	63	70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51	61	55	50	59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46	56	50	46	55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38	48	42	38	47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	133874
5°	131496
10°	127462
15°	123007
20°	117260
25°	109650
30°	100686
35°	90233
40°	79337
45°	67561
50°	56432
55°	46301
60°	38880
65°	33038
70°	28807
75°	24317
80°	19710
85°	15691



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.3	5.6
10°-20°	465.3	15.1
20°-30°	635.6	20.6
30°-40°	644.2	20.9
40°-50°	516.6	16.8
50°-60°	336.5	10.9
60°-70°	196.5	6.4
70°-80°	94.4	3.1
80°-90°	22.6	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1273.2	41.3
0°-40°	1917.3	62.2
0°-60°	2770.4	89.8
0°-90°	3084.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3084.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1870	
5°	1830	172
15°	1659	465
25°	1388	636
35°	1032	644
45°	667	517
55°	371	337
65°	195	196
75°	88	94
85°	19	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1869.7
2.5°	1862.0
5°	1829.5
7.5°	1795.1
10°	1753.1
12.5°	1705.3
15°	1659.4
17.5°	1598.2
20°	1538.9
22.5°	1464.4
25°	1387.9
27.5°	1300.0
30°	1217.8
32.5°	1124.1
35°	1032.3
37.5°	940.6
40°	848.8
42.5°	759.0
45°	667.2
47.5°	583.1
50°	506.6
52.5°	432.1
55°	370.9
57.5°	317.3
60°	271.5
62.5°	231.3
65°	195.0
67.5°	164.4
70°	137.6
72.5°	110.9
75°	87.9
77.5°	66.9
80°	47.8
82.5°	32.5
85°	19.1
87.5°	7.6
90°	0.0

(END OF REPORT)